

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 5, 8, 9, 17-22 as shown below.

The following is a complete listing of all claims in this application.

1. (Cancelled)

2) (Previously Presented) The structural composite sandwich of claim 19 wherein said micro multi-void core comprises a member selected from the group consisting of polymers and metals.

3) (Original) The structural composite sandwich of claim 2 wherein said micro multi-void core is fabricated from aluminum, copper or alloys of aluminum and copper.

4) (Withdrawn) The structural composite sandwich of claim 2 wherein said micro multi-void core is fabricated from a polymer, copolymer or mixture of polymers.

5) (Currently Amended) The structural composite sandwich of claim 2 wherein said micro multi-void core comprises [and] an extrusion.

6) (Cancelled) The structural composite sandwich of claim 2 wherein said layers of composite stiffening material comprise a member selected from the group consisting of metal matrix and polymer matrix composites.

7) (Cancelled) The structural composite sandwich of claim 6 wherein said layers of composite stiffening material comprise a metal matrix composite.

8) (Currently Amended) The composite sandwich of claim 2 wherein said core comprises an aluminum or aluminum alloy extrusion, and said [layers of composite stiffening

material] continuous fiber metal matrix composite tape comprises [comprise] an aluminum metal matrix composite.

9) (Currently Amended) The composite sandwich of claim 8 wherein said aluminum metal matrix composite includes continuous ceramic fibers[or ceramic particles].

10) (Previously Presented) The composite sandwich of claim 19 wherein said multi-void core comprises a micro multi-void ranging in width from a few millimeters up to several inches.

11) (Previously Presented) The composite sandwich of claim 10 wherein said multi-void core comprises a member selected from the group consisting of polymers and metals.

12) (Original) The composite sandwich of claim 11 wherein said multi-void core is fabricated from aluminum, copper or alloys of aluminum or copper.

13) (Withdrawn) The composite sandwich of claim 11 wherein said multi-void core is fabricated from a polymer, copolymer or mixture of polymers.

14) (Original) The composite sandwich of claim 11 wherein said multi-void core comprises an extrusion.

15) (Cancelled) The composite sandwich of claim 11 wherein said layers of composite stiffening material comprise a member selected from the group consisting of metal matrix and polymer matrix composites.

16) (Cancelled) The composite sandwich of claim 15 wherein said layers of composite stiffening material comprises a metal matrix composite.

17) (Currently Amended) The composite sandwich of claim 11 wherein said core comprises an aluminum or aluminum alloy extrusion, and said [layers of composite stiffening material] continuous fiber metal matrix composite tape comprises [comprise] an aluminum metal matrix composite.

18) (Currently Amended) The composite sandwich of claim 17 wherein said aluminum metal matrix composite includes continuous ceramic fibers [or ceramic particles].

19) (Currently Amended) A structural composite sandwich comprising:
A) a micro multi-void core having two planar surfaces and including a plurality of continuous, parallel, longitudinal channels; and
B) at least one layer of a composite stiffening material attached to each of said two planar surfaces, wherein said composite stiffening material comprises a continuous fiber metal matrix composite tape.

20) (Currently Amended) The structural composite sandwich of claim 19 wherein said micro multi-void is fabricated from a metal and said at least one layer of composite stiffening material comprises a continuous fiber aluminum metal matrix composite tape.

21) (Currently Amended) A structural composite sandwich comprising:

A) an extruded integral multi-void core having two opposing planar surfaces and between said opposing planar surfaces a plurality of longitudinal, continuous parallel channels or voids defined by ribs extending between said opposing planar surfaces; and

B) at least one layer of a composite stiffening material attached to each of said two planar surfaces, wherein said composite stiffening material comprises a continuous fiber metal matrix composite tape.

22) (Currently Amended) The structural composite sandwich of claim 21 wherein said micro multi-void is fabricated from a metal and said at least one layer of a composite stiffening material comprises a continuous fiber aluminum metal matrix composite tape.